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Absorption of Oxygen on Platinum During Polarisation
by the Charging Curves, by Dr. I. Zalkind, and B. V.
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Ts.

Full translation.

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AEC Tr 1300

Scientific - Chemistry

Jun 52 CTS

A-2252
DEX

Zal'tind, Yu. and Khushkivadze, A.
PREPARATION OF DIBASIC ACIDS FROM OIL DIS-
TILLATES. (1961) 4p. 8 refs.
Order from OTS or SLA \$1.10

61-16881

Condensed trans. of Zhurnal Prikladnoi Khimii (USSR)
1941, v. 14, no. 3, p. 405-409.

DESCRIPTORS: *Kerosene, Oxidation, *Dibasic acids,
Synthesis, Adipic acid.

Experiments of oxidation of kerosene fractions with ni-
tric acid of specific gravity 1.4 are reported. The best
yield (12.20%) of dibasic acids was obtained from an oil
fraction boiling at 210-215°; of these, 6.12% consisted
of adipic acid. The yield of the latter increases in the
presence of vanadium pentoxide. Oxidation of decalin
with nitric acid gives glutaric and oxalic acids; when
other petroleum hydrocarbons are added, adipic acid
(Chemistry--Organic, TT, v. 6, no. 9) (over)

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I. Zal'tind, Yu.
II. Khushkivadze, A.

Office of Technical Services

Author: Yu. S. and Zinov. S. A. Q VINYL NADPHALENE AND MWD DERIVATIVES OR. 11. 11981110p. 10 refs Cited from OIS or SEA \$1.10 Ap. 1981 Trans. of Zhurnal Obshchei Khimii (USSR) 1976, v. 46 p. 998-999 (certain sections summarized) DESCRIPTORS: Vinyl radicals, Naphthalene (Unannounced)	NO. 1981 I. Z. 1981, Vol. 5 II. Z. 1981, Vol. 5 1981 Office of Technical Services
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The Catalytic Hydrogenation of 2, 7-Dimethyloctadyn-
3,5-Diol-2,7, by Yu.S.Zalkind and L. F. Chelpanova

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USSR, Jun 1951, pp 1173 -

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The Addition of Hydrogen to Acetylene Derivatives.
XIII. The Incomplete Ethers of an Acetylenic Alcohol
Their Reactions and Hydrogenation

Dokl. Akad. Nauk SSSR, Vol. 10, No. 4, 1957 (1958), pp. 137-139

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Diphenylbutenediol and Diphenylbutanediol,
by Yu. S. Zalkind, E. D. Venus-Danilova, V. N.
Mikhailova, 3 pp.

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No 7, Jul 1953, USSR, pp 1143-1145.

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The Conversion of Asymmetrical Dimethyldiphenyl-
ketone in an Acid Medium. III, Yu. S. Zalkind,
V. I. Ryabukhin.

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p. 6-11.

DESCRIPTORS. *Carbonates, Ethyl radicals. *Esters.
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Acid, by I. S. Yoffe, M. Z. Zal'manovich, 5 pp.

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Dichlorosalicylic and 5-Nitrosalicylic Acids,
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Measurement of Gases and Liquids by Means
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Chambers Used as Summation, by I. A. Zalmanzon,
A. I. Semikov, 9 pp. UNCL.

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REGARDING THE MECHANISM OF FREE FLOW
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7 refs. RTS 1653.
Order from LC or SLA mi\$1.80, ph\$1.80 61-15923

Trans. of Inzhenerno-Fizicheskiy Zhurnal (USSR)
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As a result of investigations into the relationship
between the rate of flow of solid particles out of
funnels and the angle of inclination of funnel walls to
the horizontal, it was found that only the inclination
of the part of the wall close to the outlet orifice
affects the rate of flow. It was established that the
flow from a funnel becomes greater than that from a
flat-bottomed bin when the inclination of the funnel
wall exceeds 55-60°. The walls of a cylindrical bin
influence the rate of flow if their distance from the
edge of orifice is less than the diameter of the
orifice. (Authors) (See also 61-15713)

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Agency: Harry Diamond Labs.

R-9952-D

P.O. No.: B270

4 Dec. 1968

Title: Pneumatics

Author: P. A. Zaymanov

Source: Academy of Sciences, USSR

Language: Russian

Special Instructions: Please translate ^{copy} ~~all~~ type 1 copy.

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